



## COMPLIANCE COMPONENT

DEFINITION	
<i>Name</i>	Administration
<i>Description</i>	Administration of a database consists of managing the database. This would include building and maintaining the database, managing the performance of the database and providing for backup and recovery processing. The Data Base Administrator (DBA) is also responsible for maintaining the integrity and security of the database.
<i>Rationale</i>	The State receives data from multiple sources and there is a need to organize the data so that it is accessible to the authorized stakeholders. The database administrators (DBA) within the different departments of the State are charged with the tasks of the administration of their respective databases and maintaining data integrity and data security during the distribution of that data that is to be shared by multiple agencies. The DBA follows state database management best practices.
<i>Benefits</i>	<ul style="list-style-type: none"> <li>• Ensures the data's integrity and relevance (enforcement)</li> <li>• Ensures a stable environment (database structure, access)</li> <li>• Ensures data reliability (backup/recovery, retention)</li> <li>• Ensures data availability (making sure users can get to the data when it's needed)</li> <li>• Ensures protection of sensitive data (security)</li> <li>• Ensures proper access to data (authorization)</li> <li>• Ensures efficient access to data and storage of data (performance)</li> </ul>
ASSOCIATED ARCHITECTURE LEVELS	
<i>Specify the Domain Name</i>	Information
<i>Specify the Discipline Name</i>	Database Management
<i>Specify the Technology Area Name</i>	Database Management Systems
<i>Specify the Product Component Name</i>	
COMPLIANCE COMPONENT TYPE	
<i>Document the Compliance Component Type</i>	Standard
<i>Component Sub-type</i>	
COMPLIANCE DETAIL	
<i>State the Guideline, Standard or Legislation</i>	<p>Building and maintaining the database – the DBA is charged with the task of setting up the database and using best practices to maintain the database and its extensibility. These practices will vary depending on the type of platform the database is using.</p> <p>Monitoring and documenting the performance of the database – the DBA must monitor the performance of the database to provide the most efficient means of availability to that database by the users. The DBA must also keep accurate documentation of the monitoring process to track the performance of the database and scale it as necessary.</p>

	<p>Providing backup and recovery processing – the DBA must ensure business continuity and protection of mission-critical data by developing backup and recovery processes that meet or exceed the business needs.</p> <p>Maintaining integrity – the DBA must maintain accurate, uncorrupted data in the database to ensure good performance and data integrity for the user.</p> <p>Maintaining security - the DBA must be able to provide for authentication of users entering the system, authorization of users to the data on the system, protection of the data from outside sources (hackers), issue tracking and other procedures that might include encryption of data.</p> <p>Ensuring availability and readiness – The DBA must have plans, strategies, and technologies in place to ensure that the databases are available when needed by all stakeholders.</p>		
<i>Document Source Reference #</i>			
<b>Compliance Sources</b>			
<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			
<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			
<b>KEYWORDS</b>			
<i>List Keywords</i>	Administration, database management, database administrator, DBA, DBMS		
<b>COMPONENT CLASSIFICATION</b>			
<i>Provide the Classification</i>	<input type="checkbox"/> <i>Emerging</i>	<input checked="" type="checkbox"/> <i>Current</i>	<input type="checkbox"/> <i>Twilight</i> <input type="checkbox"/> <i>Sunset</i>
<i>Sunset Date</i>			
<b>COMPONENT SUB-CLASSIFICATION</b>			
<b>Sub-Classification</b>	<b>Date</b>	<b>Additional Sub-Classification Information</b>	
<input type="checkbox"/> <i>Technology Watch</i>			
<input type="checkbox"/> <i>Variance</i>			
<input type="checkbox"/> <i>Conditional Use</i>			
<b>Rationale for Component Classification</b>			
<i>Document the Rationale for Component Classification</i>			
<b>Migration Strategy</b>			
<i>Document the Migration Strategy</i>			
<b>Impact Position Statement</b>			
<i>Document the Position Statement on Impact</i>			
<b>CURRENT STATUS</b>			
<i>Provide the Current Status</i>	<input type="checkbox"/> <i>In Development</i>	<input type="checkbox"/> <i>Under Review</i>	<input checked="" type="checkbox"/> <i>Approved</i> <input type="checkbox"/> <i>Rejected</i>

AUDIT TRAIL

<i>Creation Date</i>	12-27-2004	<i>Date Approved / Rejected</i>	2-8-05
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	
<i>Reason for Update</i>			